



TNR153856 - Norfolk Southern Intermodal Facility Photos

Permit No.:	Site Location:	Permittee:	Date:	Time On-Site
TNR153856	3000 Norfolk Southern Way, Rossville, Fayette Co., TN	Norfolk Southern Railway	May 26, 2017	12:00 PM



Photo No.	Prepared by:	
1	Cliff Caudle	
Description <p>View north toward the outfall structure in Permanent Basin 4. Geo-synthetic cementitious composite matting had been placed to stabilize the channel up-gradient from the outfall structure (arrow), stabilizing the scouring noted in previous inspections. The low flow channel and side slopes appeared well-stabilized. The stone filter ring immediately up-gradient from the culvert intake was still in place. <i>(Compare photos 1 and 2 – Aug. 18, 2016 inspection)</i></p>		

Photo No.	Photographer	
2	Cliff Caudle	
Description <p>View north from the south end of Permanent Basin 4 showing stabilization of the low-flow channel with rip-rap and revegetation of slopes. <i>(Compare photo 3 – Aug. 18, 2016 inspection)</i></p>		



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Photo No.	Photographer			
3	Cliff Caudle			
Description Additional view from the north end of Permanent Basin 4 - view south showing re-grading and effective revegetation of basin slopes up-gradient of the slotted outfall structure (arrow). (Compare photo 4 – Aug. 18, 2016 inspection)				
Photo No.	Photographer			
4	Cliff Caudle			
Description View east showing the rip-rap flume down the large eastern slope that had previously failed near light pole 115. Additional work had been performed here since the August 18, 2016 inspection. The flume appeared to be well-stabilized. (Compare photo 5 – Aug. 18, 2016 inspection)				



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Photo No.	Photographer			
5	Cliff Caudle			
Description				
View southeast showing the area where sediment accumulation had previously occurred below the rip-rap flume shown in photo 4. The area appeared well-vegetated. <i>(Compare photo 6 – Aug. 18, 2016 inspection)</i>				
Photo No.	Photographer			
6	Cliff Caudle			
Description				
View east showing the previous slump slope failure that had occurred near light pole 125. The slump had been repaired with rip-rap and the sediment that had previously accumulated below the slump had been removed to restore channel flow at the toe of the slope. The restored flow line at the toe of the slope has a mostly sandy bottom. No issues observed. <i>(Compare photo 7 – Aug. 18, 2016 inspection)</i>				

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Photo No.	Photographer			
7	Cliff Caudle			
Description				
View eastward showing the north end of the former large, sparsely vegetated area in the vicinity of light pole 129 above the eastern conveyance, as noted in both the May 6, 2016 and August 18, 2016 inspections. The slope had been fully stabilized with a geosynthetic cementitious composite matting (arrow), which appeared to have been correctly keyed into grade on all sides. The slope appeared to be fully stabilized. (Compare photo 8 – Aug. 18, 2016 inspection)				
Photo No.	Photographer			
8	Cliff Caudle			
Description				
View southeastward showing the former large, sparsely vegetated area in the vicinity of light pole 129 above the eastern conveyance, as noted in both the May 6, 2016 and August 18, 2016 inspections. The slope had been fully stabilized with a geosynthetic cementitious composite matting (arrow), which appeared to have been correctly keyed into grade on all sides. The slope appeared to be fully stabilized. (Compare photo 8 – Aug. 18, 2016 inspection)				

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Photo No.	Photographer			
9	Cliff Caudle			
Description	The area around Outfall SW9 (the discharge point to Stream 5) appeared well vegetated. (Compare photo 11 – Aug. 18, 2016 inspection)			
Photo No.	Photographer			
10	Cliff Caudle			
Description	View northwest from the south end of Permanent Basin 3, which appeared well-vegetated. (Compare photo 12 – Aug. 18, 2016 inspection)			